

Encl #1
SAPC *23540*
COPY *2* OF *3*

CONFIDENTIAL

MONTHLY PROGRESS REPORT #1

on the

TERRAIN AVOIDANCE RADAR SYSTEM

For the period from

30 November to 31 DECEMBER 1957

G. O. AAD-30465

file P196
RAK

Notice: This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C., Section 793-794. The transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law.

25X1

25X1

CONFIDENTIAL

1-1317

CONFIDENTIAL

January 7, 1958

MONTHLY PROGRESS REPORT #7

TERRAIN AVOIDANCE RADAR SYSTEM

PROGRESS FOR THE MONTH OF DECEMBER 1957

Antenna

The experimental parallel plate horn with a curved backwall has been received from the Model Shop. Preliminary tests look promising. Testing of this method of beamshaping will continue.

Receiver-Transmitter

Drafting has completed the layout of this unit. Testing of the breadboard model has been completed.

AFC

Testing of the breadboard AFC has been completed. It was checked and found satisfactory to 15,000 ft. altitude over the temperature range of -55 to +55 degrees C.

Synchronizer

Drafting has completed the layout of the synchronizer.

"E" Scope

Drawings have been completed and released to the Model Shop.

Power Supply

Drafting has completed the layout of this unit. Preparation of detail drawings is now in progress.

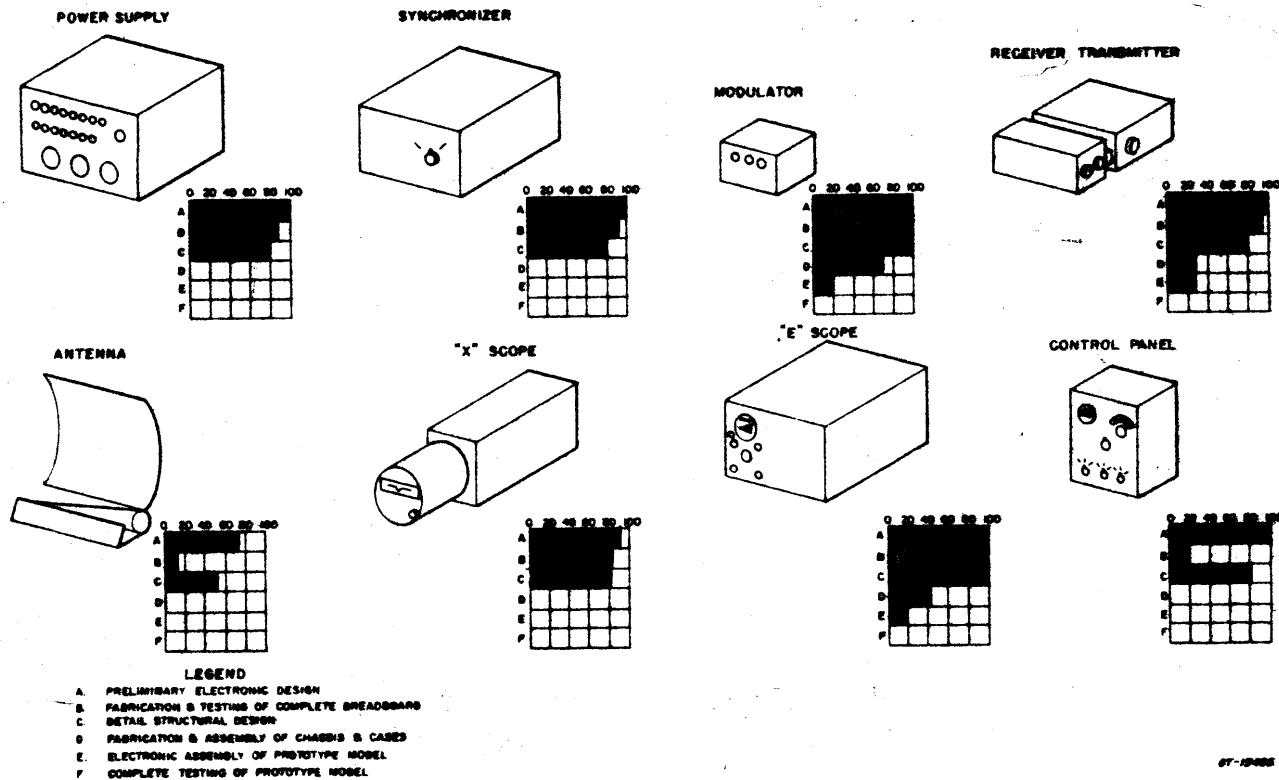
"X" Scope

Drafting has completed the layout and detail drawings are 30% complete. The final specification for the optical system is being written.

CONFIDENTIAL

CONFIDENTIAL

STATUS OF TERRAIN AVOIDANCE RADAR DEC 31, 1957



CONFIDENTIAL